



WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.



The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

SAFETY INSTRUCTIONS - Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

- Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions** - The safety and operating instructions should be retained for future reference.
- Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions** - All operating and use instructions should be followed.
- Water and Moisture** - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub or swimming pool, or in a wet basement, etc.
- Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care.** Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- Ventilation** - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- Heat** - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization -

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

CAUTION:

To prevent electric shock, match the wide blade of this plug to the wide slot, and fully insert. Do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.



AC
Polarized Plug

- Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
- Power Lines** - An outdoor antenna should be located away from power lines.
- Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - The power supply cord or the plug has been damaged; or
 - Objects have fallen, or liquid has spilled into the appliance; or
 - The appliance has been exposed to rain; or
 - The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - The appliance has been dropped, or the enclosure damaged.
- Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

PORTABLE AUDIO

90 Days Free Exchange

This product must be carried in for an exchange.

WHO IS COVERED?

You must have proof of purchase to exchange the product. A sales receipt or other document showing that you purchased the product is considered proof of purchase. Attach it to this owner's manual and keep both nearby.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For 90 days thereafter, a defective or inoperative product will be replaced with a new, renewed or comparable product at no charge to you. A replacement product is covered only for the original warranty period. When the warranty on the original product expires, the warranty on the replacement product also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS EXCHANGE AVAILABLE?

You may exchange the product in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide a replacement product (although there may be a delay if the appropriate product is not readily available).

BEFORE REQUESTING EXCHANGE...

Please check your owner's manual before requesting an exchange. Adjustments of the controls discussed there may save you a trip.

EXCHANGING A PRODUCT IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact your dealer to arrange an exchange. Or, ship the product, insured and freight prepaid, and with proof of purchase enclosed, to the address listed below.

Small Product Service Center
Philips Service Company
907 Snapps Ferry Road
Plant 2, Building 6
Greenville, TN 37743

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

EXCHANGING A PRODUCT IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

TO GET OUT-OF-WARRANTY EXCHANGE...

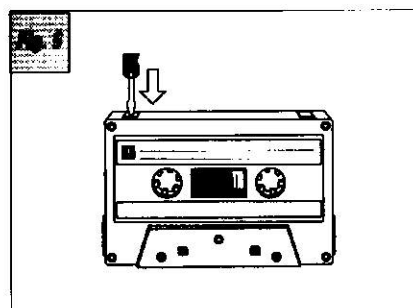
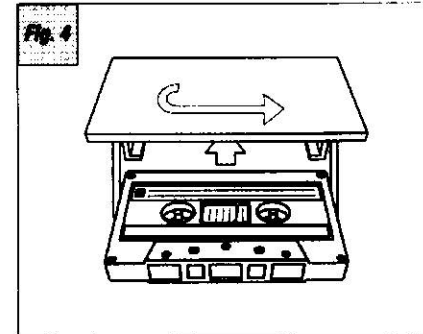
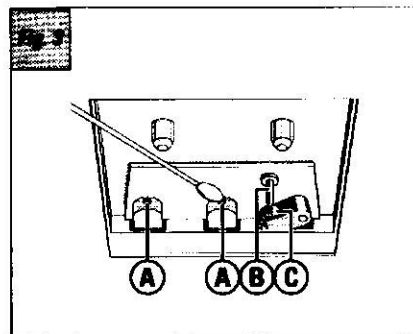
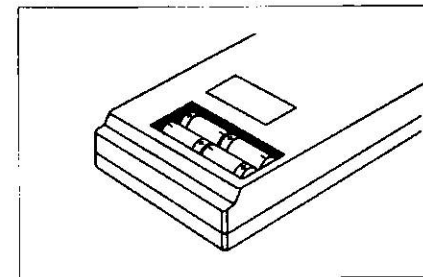
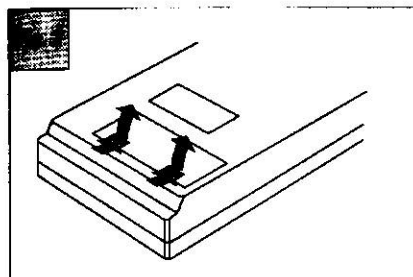
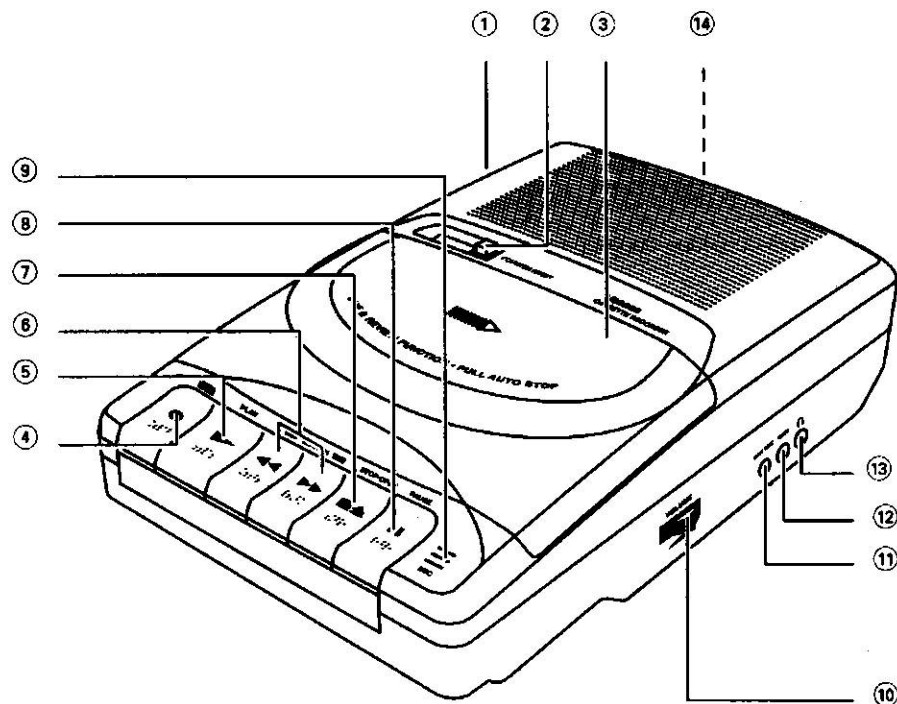
In U.S.A., Puerto Rico or U.S. Virgin Islands, contact Philips Service Company at (800) 851-8885 to obtain the cost of out-of-warranty exchange. Then carefully pack the product and ship it to the Small Product Service Center (address listed above). In Canada, call the phone number listed above under "Exchanging a Product in Canada" to obtain the cost of out-of-warranty exchange.

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____



México

Es necesario que lea cuidadosamente su instructivo de manejo.

	PRECAUCION, ADVERTENCIA	
	No abrir, riesgo de choque eléctrico	
	ATENCIÓN	
Verifique que el voltaje de alimentación sea el requerido para su aparato		
Para evitar el riesgo de choque eléctrico, no quite la tapa.		
En caso de requerir servicio, diríjase al personal calificado.		

CONTROLS

See fig. 1

- ① **AC MAINS** – socket for power cord
- ② **COUNTER RESET** – to monitor and locate cassette tape passages
- ③ **Cassette compartment**
- ④ **REC ●** – to start recording
- ⑤ **PLAY ►** – to start playback
- ⑥ **SEARCH**
 - REV ◀ – to review / fast rewind the tape
 - CUE ►► – to cue / fast wind the tape
- ⑦ **STOP-OPEN ■** – to stop the tape and to open the cassette holder
- ⑧ **PAUSE II** – to interrupt recording or playback
- ⑨ **MIC** – built-in microphone for recording
- ⑩ **VOLUME** – to adjust the volume level
- ⑪ **EXT MIC** 3.5 mm jack for:
 - an external microphone
 - computer output to save data (recording)
- ⑫ **REM** 2.5 mm jack for:
 - an external remote control microphone
 - computer remote output to save data (recording)
- ⑬ ◯ 3.5 mm jack for:
 - headphone
 - computer input for loading data
- ⑭ **Battery door** – battery compartment on the bottom of the set

GENERAL

- Do not expose the set, batteries or cassettes to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- To clean the set, use a soft, slightly dampened chamois leather. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.

ENVIRONMENTAL INFORMATION

Your set consists of materials which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

BATTERY SUPPLY

See fig. 2

1. Open the battery compartment and insert four batteries, type R14, C-cells or UM2, with the correct polarity as indicated by the '+' and '-' symbols inside the compartment.
2. Replace the compartment door, making sure the batteries are firmly and correctly in place. The set is now ready to operate.

Note: – The battery supply is disconnected when you switch to the power supply.
 – Remove the batteries if the set is not to be used for a long time.
 – Batteries contain chemical substances, so they should be disposed of properly.

AC POWER

1. Check if the power voltage, as shown on the type plate located on the base of the set, corresponds to your local power voltage. If it does not, consult your dealer or service center.
2. Connect the power cord to the **AC MAINS** jack and the wall outlet. The power supply is now connected and the set is ready to use.
3. To disconnect the set from the power completely, remove the power plug from the wall outlet.

CONNECTIONS

Connecting external microphones in to the **EXT MIC** or **REM** jacks will automatically mute the built-in MIC. Connecting headphones will automatically mute the built-in speaker.

Important notes for PC users

- Read your PC manual carefully before proceeding, as input and output connections for loading and saving PC data varies from PC to PC.
- Keep a minimum distance of 0.5 metre between the recorder and the TV set.

The model and production numbers are located on the base of the set.

TAPE DECK MAINTENANCE

To ensure quality recording and playback of the tape deck, clean parts (A), (B) and (C) (See fig. 3), after approx. 50 hours of operation, or on average once a month. Use a cotton bud slightly moistened with alcohol or a special head cleaning fluid to clean both decks.

1. Press **STOP-OPEN ■** to open the cassette holder.
2. Press **PLAY ►** and clean the rubber pressure holder (C).
3. Press **PAUSE II** and clean the magnetic heads (A) and also the capstan (B).
4. After cleaning, press **STOP-OPEN ■**.

Cleaning of the heads can also be done by playing a cleaning cassette through once.

PLAYBACK

1. Press **STOP-OPEN ■** to open the cassette holder.
2. Insert a recorded cassette (See fig. 4), and close the cassette holder.
3. Press **PLAY ►** to start playback.
4. Use the **VOLUME** control to adjust the sound.
5. Press **PAUSE II** to interrupt playback. Press **PAUSE II** again to resume.
6. Press **SEARCH REV ◀◀** or **CUE ►►** for fast winding the tape in the desired direction.
 - To review/cue, press lightly on the respective key to hear tape playback at high speed.
7. During playback or fast winding, you can use the **COUNTER RESET** digits to help you find and locate desired passages.
 - Press the **COUNTER RESET** button, to reset the counter to 000.
8. Press **STOP-OPEN ■** to stop playback or fast winding.
 - At the end of the tape, all keys are automatically released and the set is switched off.

Loading data

1. Connect the computer input source to the ◯ jack of the cassette recorder.
2. For further instructions read your PC manual as these instructions varies from PC to PC.

GENERAL INFORMATION ON RECORDING

- Recording is permissible insofar as copyright or other rights of third parties are not infringed.
- For recording / saving computer data use only **NORMAL** type cassettes (IEC type I) on which tabs have not been broken.
- The best recording level is set automatically. Altering the **VOLUME** control will not affect the recording in progress.
- At the very beginning and the end of the tape, no recording will take place during 7 seconds when the leader tape passes the recorder heads.
- To protect a tape from accidental erasure, have the tape in front of you and break out the left tab (See fig. 5). Recording on this side is no longer possible. If you wish to record over this side again, cover the tabs with a piece of adhesive tape.

RECORDING

1. Press **STOP-OPEN ■** to open the cassette holder.
2. Insert a blank cassette (See fig. 4), and close the cassette holder.
3. Press **REC ●** to start recording.
4. Press **PAUSE II** to create pauses, if desired. Press this key again to resume recording.
5. Press **STOP-OPEN ■** to stop recording.

External microphone recording

1. Connect the external microphone to the 3.5 mm **EXT MIC** jack of the cassette recorder.
2. Repeat steps 1 to 5 of the chapter RECORDING.

Recording data

1. Connect the computer output source to the **EXT MIC** jack of the cassette recorder.
2. Repeat steps 1 to 5 of the chapter RECORDING.

Remote control microphone / PC

1. Connect the remote plug of an external microphone / computer to the 2.5 mm **REM** jack of the cassette recorder.
2. Repeat steps 1 to 3 of the chapter RECORDING.
3. You can use the remote control instead of the **PAUSE II** key to stop and start recording.

Warning: Under no circumstance should you try to repair the set yourself as this will invalidate your warranty.